Melanie Haveman - 4-15-2011 Phone Call

Revisions to A.T.F. Mitigation Plan

- *Revise B-Type Stream Drawing – use riffle structures instead of check dams*

The "Freelandville_B Type Stream (Typical Restored Stream Plan)" drawing has been revised. The revised design shows Newbury Riffles constructed within the stream floodplain as opposed to rip-rap check dams.

- *Provide topographic maps for all sites*

A map with 0.5' contour intervals has been included for the Log Creek Mitigation Site (Log Creek Mitigation_Contour Map). A map with 2' contour intervals has been included for the Carnahan Mitigation Site (Carnahan Mitigation Site_Contour Map). Triad does not have post-mine contours for the mined portion of the Freelandville Complex which contains the rest of the proposed mitigation.

- *Slurry pond cannot discharge into mitigation stream Mit._WFPD01N.*

The slurry pond will be reclaimed before Mit. WFPD01N is completed.

- *Mit. Richter Wetland(4.5 acres) and Mit. Buescher Wetland(5.5 acres) should be used for the A.T.F. Mitgation Plan rather than the previously proposed Mit. TM Wetland(9.5 acres)*

The "A.T.F. Mitigation Map – Freelandville Complex" and the "Freelandville Complex – Mitigation Summary" have both been revised. Mit. Richter Wetland and Mit. Buescher Wetland are now shown as out of kind mitigation for the A.T.F Mitigation Plan.

- *Provide water data for all permanent ponds that will discharge into mitigation streams.*

- *On the Log Creek Mitigation Site, re-route mitigation stream Mit. EFHC01N to the north.*

The proposed Mit. EFHC01N has been redesigned and now flows to the north and into Mit. EFHC. The length of the revised mitigation stream is 1,466 feet, which is shorter than originally proposed. The additional credit for placing structures in WFPD0.5W at the Freelandville Complex will make up for this difference.

- *The Log Creek Complex approved section 404 permit(LRL-2009-1048-amn) will need to be modified in order to extend the E. Fork Honey Creek relocation further to the north as proposed.*

Triad has discussed the change with Ann Nye at the USACE Newburgh Office. The USACE does not have a problem with modifying LRL-2009-1048-amn. Upon the approval of the proposed A.T.F. Mitigation Plan, Triad will work with the USACE to make the necessary changes to the Log Creek Complex 404 Permit.

- *Proposed mitigation stream at the Augusta Mitigation Site cannot be used for the A.T.F. Mitigation Plan.*

The proposed mitigation stream at the Augusta Mitigation Site has been removed from the A.T.F. Mitigation Plan. The 1,658 feet of intermittent stream will be relocated to the Freelandville Complex. The previously proposed Mit. WFPD (on Triad owned property) will be extended 1,658 feet to the north. This portion of the stream runs through privately owned property. Triad is confident an arrangement can be made with the landowner to place a deed restriction on the mitigation stream and buffer zone. In the event that a deed restriction can't be obtained Triad will find an alternate site for the stream footage and submit a revised plan to the EPA for approval.

- *Triad can receive full credit for WFPD0.5W if engineered structures can be added to the existing stream along with a forested buffer zone.*

Triad will add structures to WFPD0.5W as well as a forested buffer. The stream and buffer zone will both be protected by a deed restriction. As shown in the revised "Freelandville Complex – Mitigation Summary" Triad will now receive full credit for the 1,330 ft. of enhanced ephemeral stream. The additional 665 ft. of mitigation credit will make up for the 366 ft. lost at the Log Creek Mitigation Site when re-designing Mit. EFHC01N and allow for the removal of Mit. TM01N01S (298 ft.) from the A.T.F. Mitigation Plan.